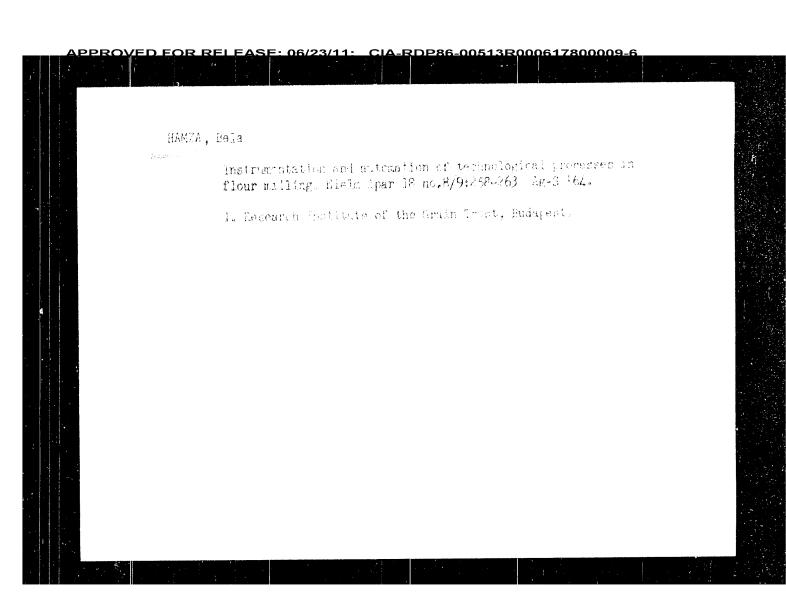
continued and the contract of 02/0034/64/200/009/0609/0617 KARADIN BRIDGER AUTHOR: Harok Han (Engineer) Controlled Kamil (Digineer); Roman Scene) TOTALS: Belanced steel decordined in this impot sold. Part I. SOURCE: Buthlicke Lists, so. 9, 1964, 6:9-6.7 TOPIC TAGS: atasi, metallurgic furnace, metal cesting Abstract /Authors' English summary 7: Balanced ateclideoxidized in the ingot mold is manufactured in the open hearth furnace by the same technique as rimming steel. Amount of Al used as deoxidizer depends on the amount of G in the heat. The best way of adding Al is to add 1/1 shortly before the ingot teeming is completed, and remaining 2/3 shortly after that. The structure of the second steel and remaining all shortly after that. the mold deoxidized steel ingot consists of the balanced steel surface Layer, and the balanced core, The structure is a function of the teeming rate. The steel is nearly as chemically homogenous as the killed steel grades. Bottom-poured, mold-deoxidised steel Elles better surface of the Police products, and higher yields On in Finaing steel Orige art, has 3 formulas, 9 graphs, and 6 tables.

CIA-RDP86-00513R000617800009-6 HAROK, Milan, inz., GOTTFRIED, Kamil, inz., HAMZA, Zdonok, inz. Semikilled steel deoxidized in ingot molds. Pt.2. But listy 19 no.10:693-698 0 64, 1. Research and Testing Institute, Nove but Klemente Gottwalde National Enterprise, Ostrava Kuncise,

FINKOVA, A.; KOHOUTEK, M.; BLECHOVA, D.; HAMZA, M.; VACHA, K. Perinatal mortality in induced labor. Cosk. gynek. 29 no.6: 513-517 Ag 164. 1. Gyn.-por klinika lek. fak. Karlovy University v Bradci Kralove (prednosta prof. dr. Vacha, DrSc.).

HAMZA, II. "Natha gas and its rational exploitation." p. 12 (Teknika) Vol. 4, No. 6, Nov./Dec. 1957 Tirane, Albania SO: Monthly Index of East European Accessions (NEAT) LC. Vol. 7, nc. 4, April 1958



<u> APPROVED FOR RELEASE; 06/23/11: CJA-RDP86-00513R000617800009-6</u>

## INTERNAL MEDICINE

HUNGARY

FRANG, Dezso, Dr., CSATA, Sandor, Dr., HAMVASI, Gyorgy, Dr., and TOTH, Mihaly, Dr., Urological Clinic at the Medical University (Orvostudomanyi Egyetem, Urologiai Klinika) in Budapest (Director: BABICS, Antal, Dr.).

"Acute Kidney Insufficiency Caused by Mercury Compounds"

Budapest, Orvosi Hetilap, Vol 107, No 24, 12 Jun 1966, pp 1118-1120.

Abstract: In order to demonstrate the effect of mercury compounds on the development of kidney insufficiency in an acute manner, the authors describe their experiences in this field. This involves 14 cases at the Artificial-Kidney Department (Muvese Osztaly) of the Urological Clinic. These cases were discussed and the respective clinical and pathological factors were described. The prognosis of acute kidney insufficiency caused by mercury compounds appears to be brighter today than has been before. 16 references, including 10 Hungarian, 1 German, and 5 Western.

1/1

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000617800009-6

## HUNGARY

BARANYAI, Elemer, Dr. HAMVAGI, Gyorgy, Dr. Medical University of Eudapest, Urological Clinic (Budapesti Orventudomanyi Ecyclem, GroLogical Klinika).

"Treatment of Tuberculotic Bladder Processes of Interstitial Character."

Budapest, Orvosi Hetilap, Vol 104, No 10, 28 July 63, pages 1419-1420.

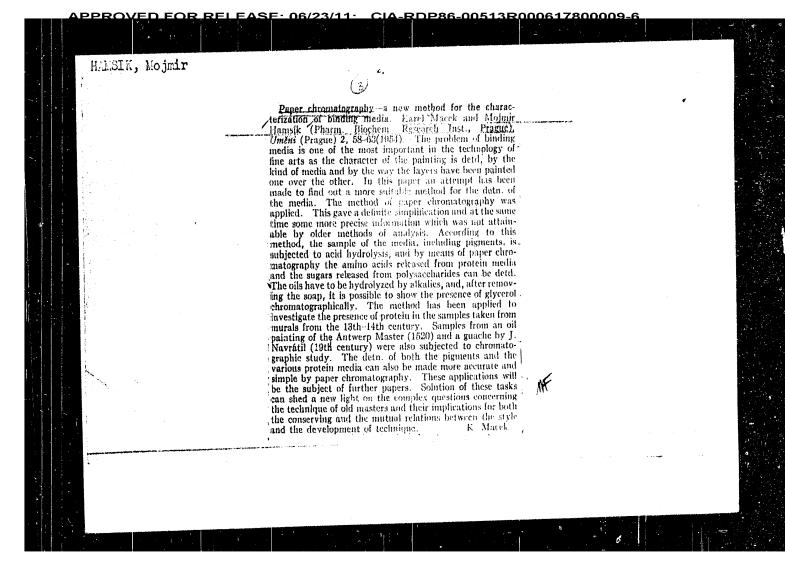
Abstract: [Authors' Hungarian summary modified] The authors discuss the treatment of the disease. After a short discussion of conservative and surgical procedures, the experiences gained from 70 cases of the disease at the clinic are reported. In spite of treatment with antituberculotic drugs, changes in the bladder remained which responded to the procedure described by the authors alone. The treatment was successful in 55 patients. The conservative therapy was totally unsuccessful in 15 patients. Attention is called to the importance of prompt and well directed conservative treatment which controls the complaint and results in the avoidance of surgery which presents an irreversible state always. 5 Hungarian, 5 Western references.

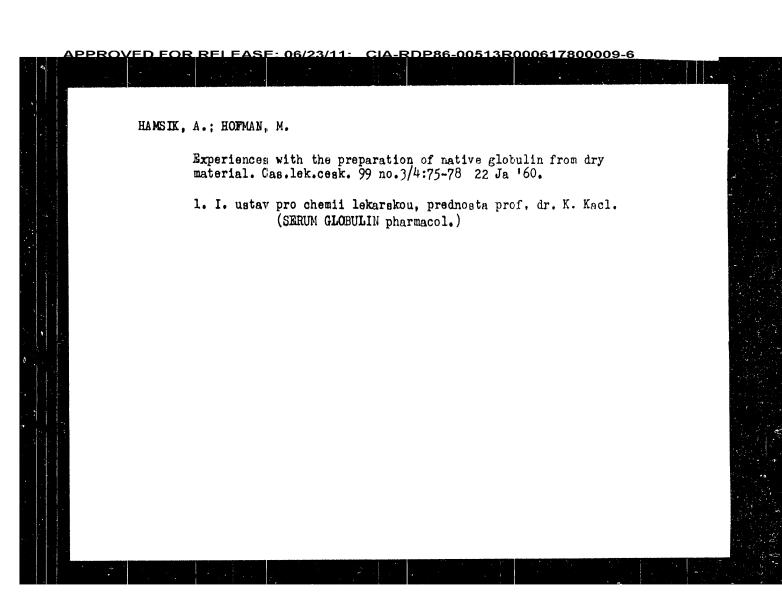
2473 1/1 RADO, Janos, dr.; HAMVAS, Jozsef, BIKICH, Georgy, dr. Role of various factors in the pathogenesis of skin hemorrhage (steroid ecchymosis) due to new gluccorticoids. Magy belorv. arch. 14 no.3:107-118 J1 '61. 1. A Janos Korhaz-Rendelointezet (Igazgato-foorvos: Tako Jozsef dr.) (Izotop osztalyanak (Foorvos: Tako Jozsef dr.) es Anyagcsereszakrendelesenek (Foorvos: Bikich Gyorgy dr.) kozlemenye. (ADRENAL CORTEX HORMONES toxicol) (HEMORRHAGE etiol) (SKIN dis)

HAMVAS, Ferenc, okleveles mernok, tuosmanyos munketars Control measurements at the Makaca Pana. Vizzgyi and re.20314-303 163. 1. Research Division of Hydraudic Engineering, Scientific besearch Institute of Water Resources Development.

HAMSIK, M., akad. malir PISAROVIC, Frantisek, MUDr; CNRNY, Ludek, MUDr; HAMSIK, M., akad. malir Fetishism and indeational sadism in creative projection. Neur. psychiat. cesk. 18 no.1:60-67 Feb 55. 1. Z psychiatricke kliniky prof. Zdenka Myslivecka. (MENTAL DISORDERS fetishism & sadism, expression in artistic creation) (ART artistic creation as expression of fetishism & sadism)

RDP86-00513R000617800009-6 Hiller all it PISAROVIC, Frantisek, MUDr; HAMSIK, Mojmir, akad. malir Effect of schizophrenia with a course of delirious confusion on artistic production. Neur. psychiat. cesk. 17 no.6:331-337 Dec 54. 1. Z praszke psychiatricke kliniky, predn. prof. Mudr. Zd. Myslivecek. (SCHIZOPHRENIA, complications hallucinations, eff. on artistic prod.) (HALLUCINATIONS in schizophrenia, eff. on artistic prod.) (ART, psychology eff. of hallucinations in schizophrenia on artistic prod.)





CZECHOSLOVAKLA/Chemical Technology. Chemical Products and H Their Applications. Pharmaceuticals. Vitamins. Antibiotics. Abs Jour: Ref Zhur-Khim., No 8, 1959, 28559. of starting natorials. The best method was found to be that based on the removal of iron from headn - formte with for de need and MagPO3. -- ... Vove town. : 2/2 Card 210

PROVED FOR RELEASE: 06/23/11: CIA-R<u>DP86-00513R000617800009-</u>6 Н CZECHOSLOV.KIA/Chemical Technology. Chemical Products and Their Applications. Tharraceuticals. Vitamins. intibiotics. hbs Jour: Ref Zhur-Khina, No 8, 1959, 28559. Author : Mcfann, M. and Marsik, ... : Production of Protoporphyrin. Inst Orig Pub: Casep Lekaru Ceskych, 97, No 18, 570-572 (1958)
(in Czech with German, French, English, and Aussian Title surrries) Abstract: The authors have tested a number of methods for the removal of iron from the starting materials used in the preparation of protoporphyrin, as well as nethods for the synthesis of porphyrin from a variety : 1/2 Card

WZECHOSLOVAKIA / Chemical Technology. Chemical Products and Their Application - Medicinals. Vitamins. J-3 Antibiotics : Referat Zhur - Khimiya, No 2, 1958, 5574 Abs Jour : of the other hemins and protoporphyrin. In an analogous manner the hypophosphite salt is obtained on using 36% lactic acid and sodium hypophosphite. Abstract Card 2/2

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000617800009-6

HAMSIK ANTONIN

CZECHOSLOVAKIA / Chemical Technology. Chemical Products and

Their Application - Medicinals. Vitamins.

J-3

Antibiotics

Abs Jour

: Referat Zhur - Khimiya, No 2, 1958, 5574

Author

: Hamsik Antonin, Hofman Miroslav

Inst

: Not given

Title

: New Method for the Preparation of Hemins

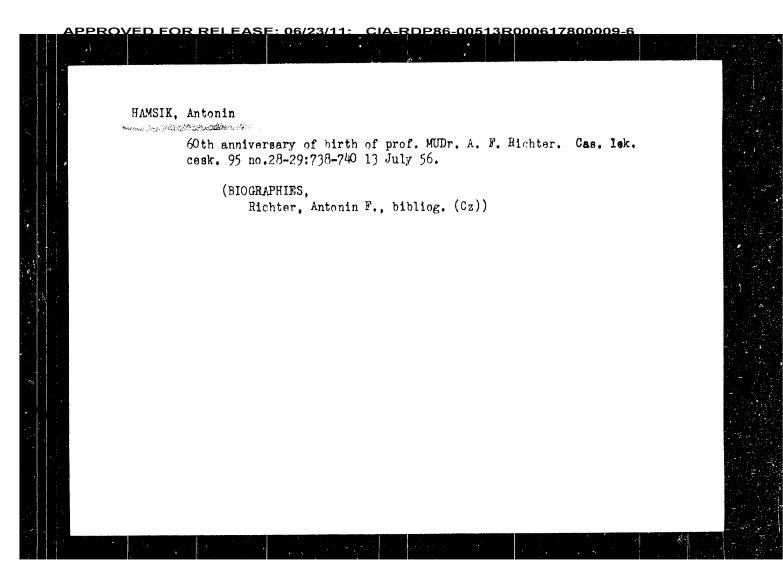
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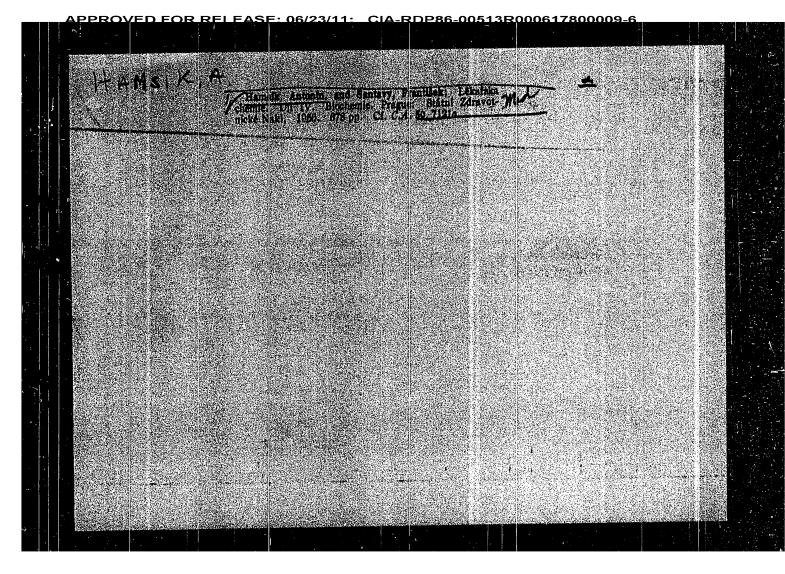
: Casop. lekaru ceskych, 1956, 95, No 28-29, 740-741

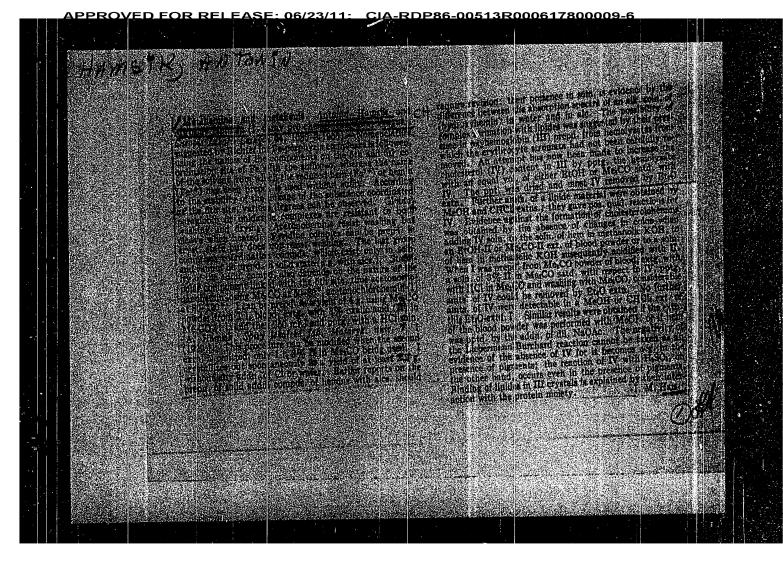
Abstract

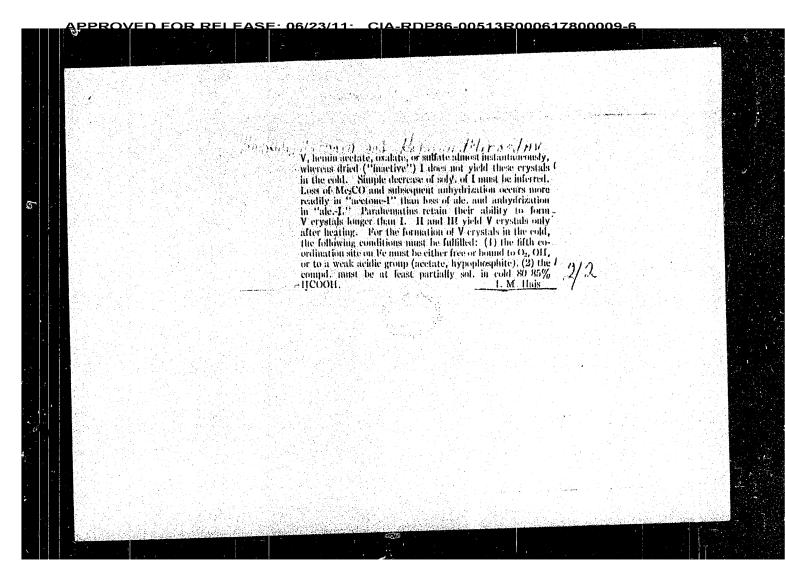
: Description of a new method for the preparation of hemins without the use of alcohol or acetone. A mixture of hemolyzed defibrinated blood and 85% HCOOH is heated at 85° and hemin formate is separated by centrifugation, crystallized and used as the starting material for the production

Card 1/2



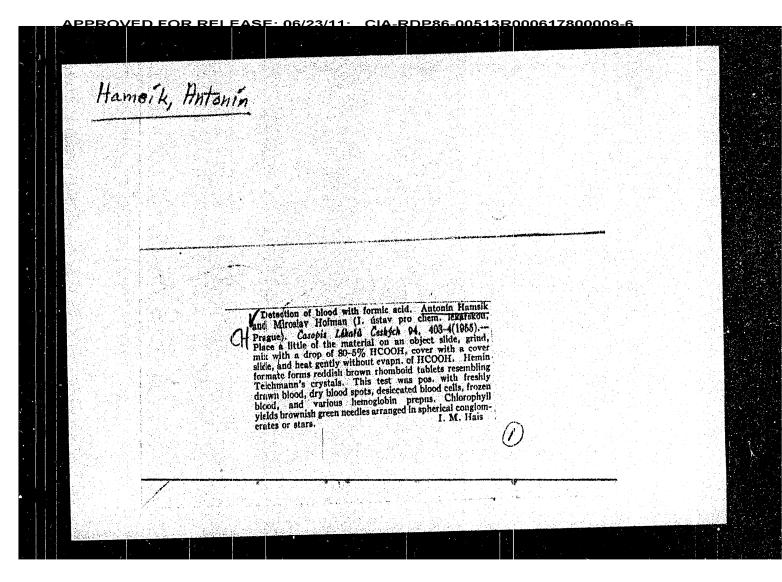




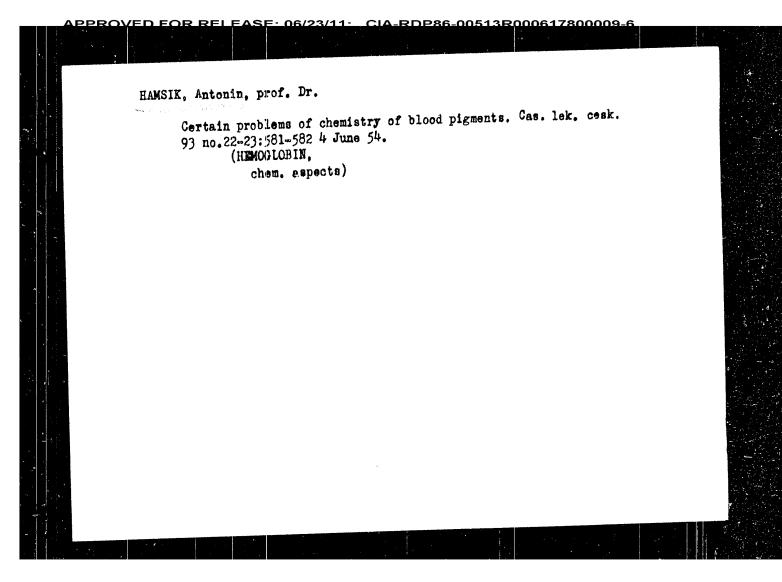


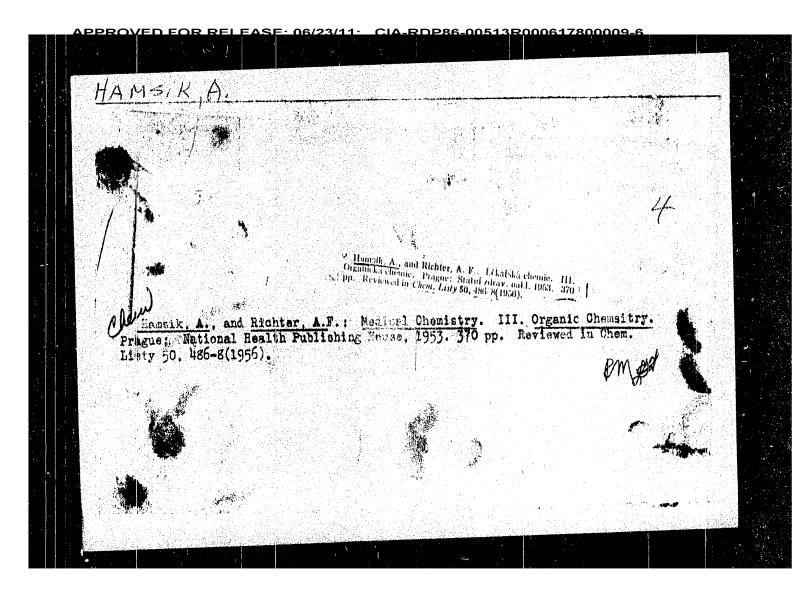
Hamsik, Antonin The influence of drying on the sclubility and reactivity. Jol blood, blood pigment, and its derivatives. Antonin Hamsik and Miroslav Hofman (I. ústav chem. lékafskou, Frague). Cosopis Lékafa Ceských 94, 1008-10(1955). Air-dried blood dissolves slowly in water; it cannot be directly extd. in acidic solvents without influitifient of the control of the

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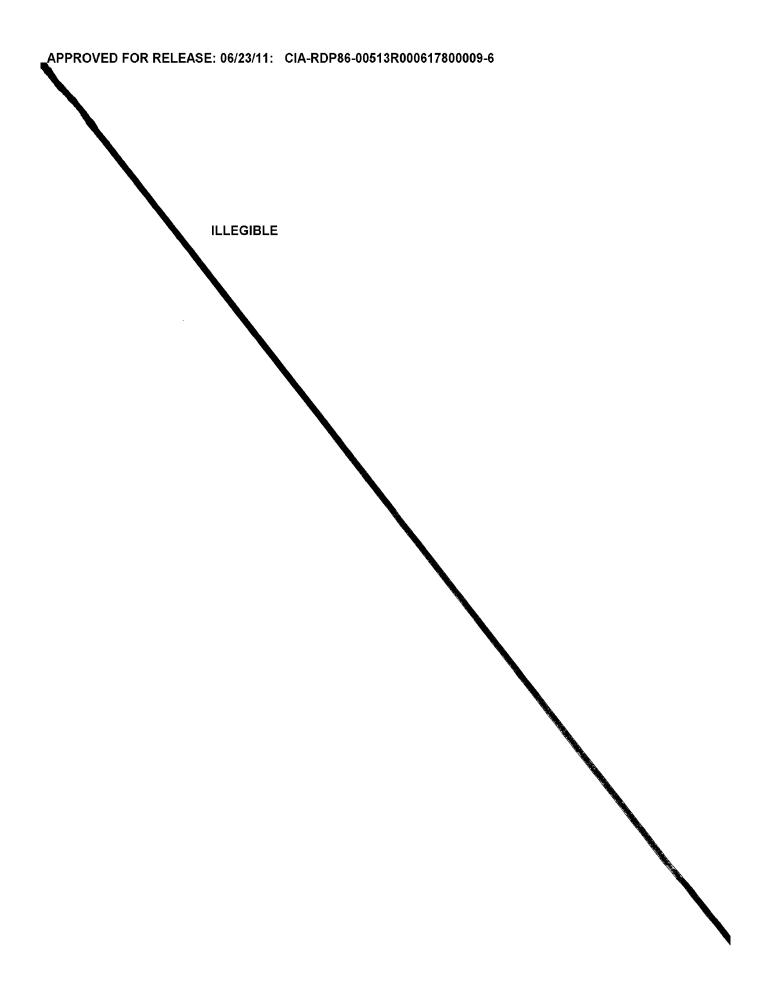
HAMSIK, Antonin; HOFMAN, Miroslav Effect of drying on solubility, and reactivity of the blood, blood stains and blood derivatives. Cas. lek. cesk. 44 no.37:1008-1010 9 Sept 55. 1. Z I. Ustavu pro chemii lekarskou v Praze; prednosta prof. Dr. Karel Kacl. (BLOOD staining, eff. of drying on solubility & reactivity.) (STAINS AND STAINING blood, eff. of drying on solubility & reactivity.) (BLOOD CELLS staining, eff. of drying on solubility & reactivity.)

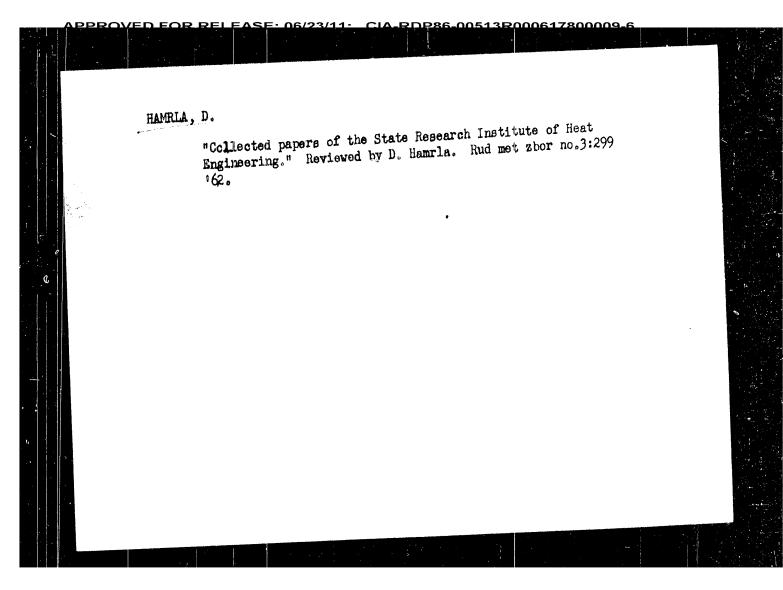


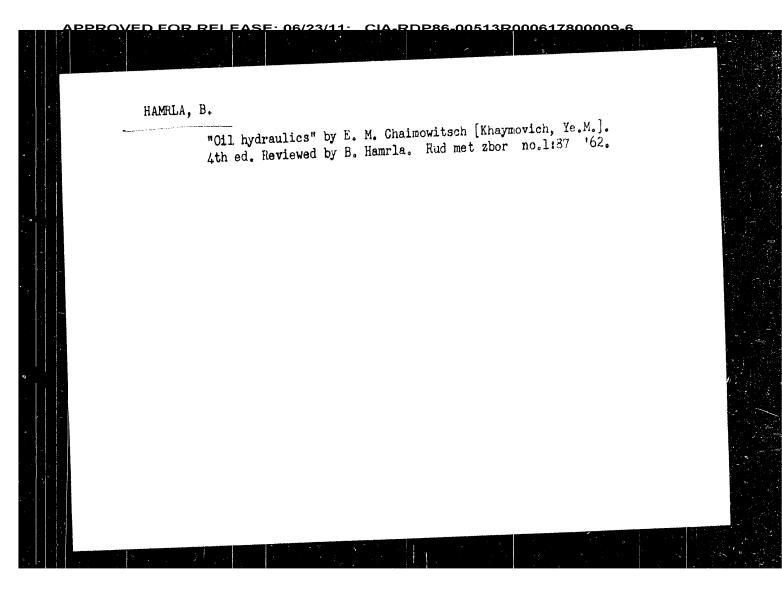


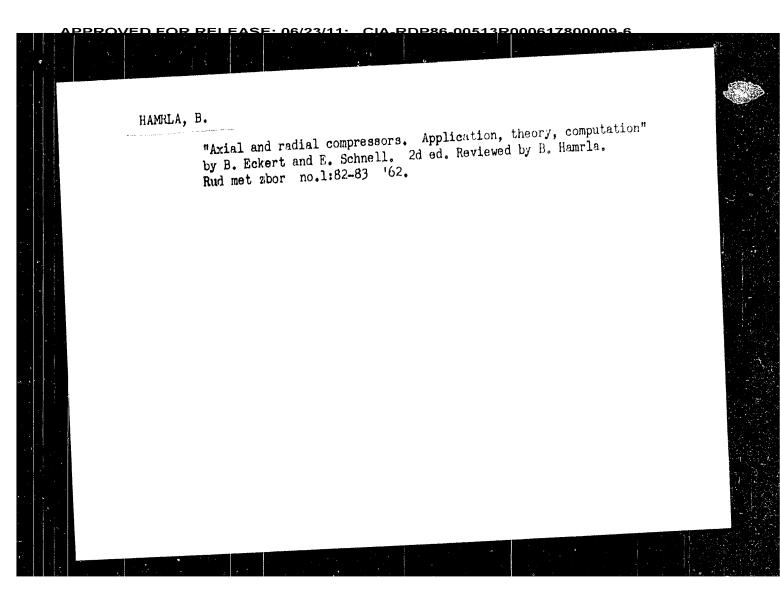
HAMSIK, A. Significance of lipids in preparation of blood pigments and their derivatives. Rozpr. Cesk. Akad., Trid II.61 no. 21:1-17 1952. (CLML 23:3) 1. Of the Institute of Medical Chemistry (Head--Prof. A. F. Richter, M. D.) of Charles University, Prague.

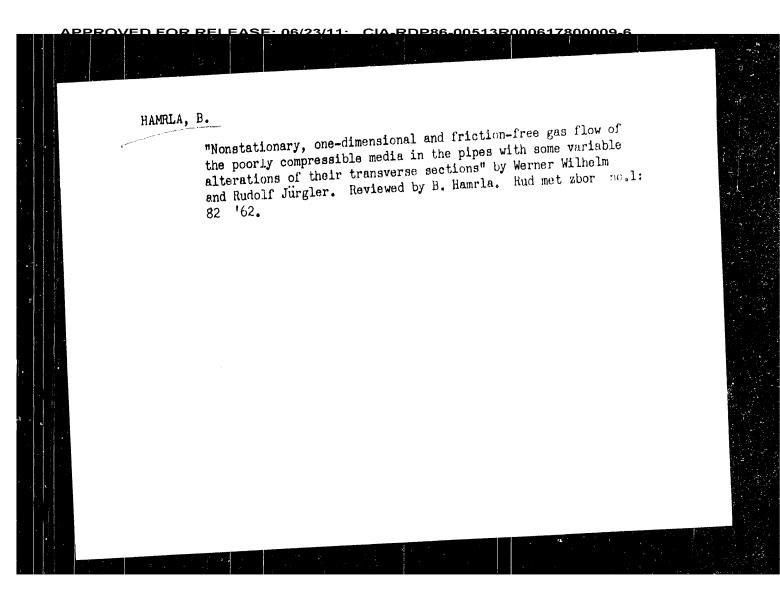
HAMRIA, M. Petrographic classification and preparation of coal. p. 1591 TEHNIKA, Beogard, Vol 10, No. 11, 1955 SO: EEAL, Vol 5, No. 7, July 1956

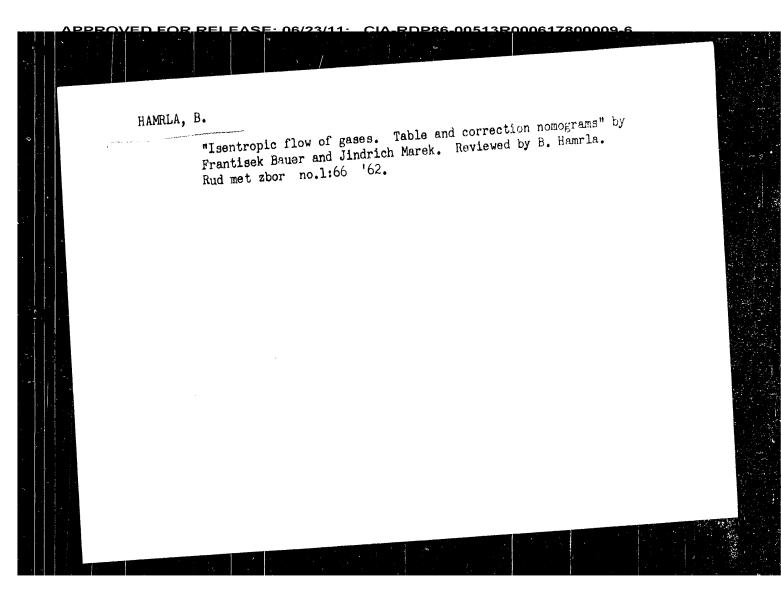






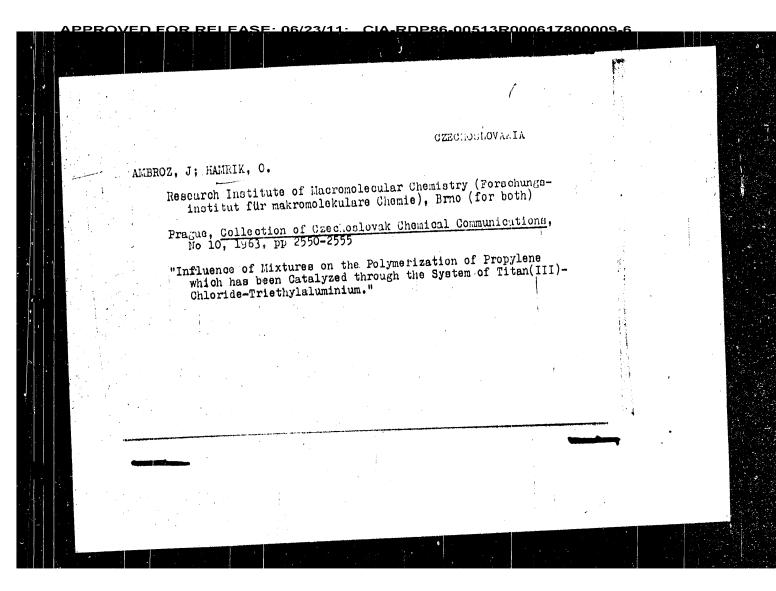






HAMRIA, B. Economic effect of air conpressors in mining. p. 295. RUDARSKO-NETALURSKI ZBORNIK. (Ljubljana. Univerza. Fakulteta za rudarstvo, metalurgijo in kemijsko tehnologijo. Oddelek za rudarstvo in metalurgijo) Ljubljana, Yugoslavia, No. 3, 1956. Monthly List of East European Accessions (EEA1) LC, Vol. 8, no. 6, June 1959. Uncl.

AMBROZ, J.; HALIRIE, O. Effect of additions on the propylene polymerization catalyzed by the titanium (III)-chloride-triethylaluminum system. Coll Cz Chem 28 no.10:2550-2555 0 163. 1. Forschungsinstitut für makromolekulare Chemie, Brno.



Production of poly- $\alpha$ -olefins with ...

S/081/62/000/024/027/052 B117/B186

mer (viscosity number 430 and 90 % crystalline fraction) was obtained under equal conditions. Diethyl ether and benzimidazol were also used as activating substances. When 1.5 mg CS<sub>2</sub> was added to the mixture, polymerization without activator did not occur even after 3 hrs. An addition of 9.8 mg (III) yielded 1.95 g of the polymer, (viscosity number 256 and 93 % crystalline fraction) after 2 hrs. [Abstracter's note: Complete translation.]

Card 2/2

s/081/62/000/024/027/052

B117/B186

AUTHORS:

Vilím, Rostislav, Ámbrož, Jaroslav, Hamřík, Oldřich

TITLE:

Production of poly-a-olefins with an increased content of crystalline fraction at higher polymerization rate and with

the possibility of using low-purity raw material

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 24 (II), 1962, 896,

abstract 24P577 (Pat. CSSR 99922, June 15, 1961)

TEXT: A mixture of TiCl<sub>4</sub> (I) - Al( $C_2H_5$ )<sub>3</sub> (II) activated with small amounts of substances containing nitrogen or oxygen capable of forming onium compounds on the surface of the solid phase of catalyst, is used as polymerization catalyst. Such catalysts increase the reaction rate considerably and reduce the required amount of catalyst; hence the reaction can be conducted at a considerable concentration of catalytic poisons in the reaction medium. 2.4 g of a polymer, with a viscosity number of 490 and a 97 % crystalline fraction, was obtained from a mixture of 27 ml n-heptane, 4000 mg propylene, 30 mg (I), 230 mg (II), and 4 mg phenyl hydrazine after 60 min at 50°C. Without (III), only 1.3 g of poly-Card 1/2

A method of producing polymers from ... S/081/62/000/022/068/088 B166/B144

compounds (0.005%;  $C_2H_2$  and its homologues (0.001%. Examples. 1) 20 1 propane, 20 1 propylene, ~0.8 g TiCl<sub>3</sub> and 4 g  $(C_2H_5)_3$ Al are loaded into a 50-liter autoclave. The TiCl<sub>3</sub>, produced by hydrogen reduction, had been dispersed by an h-f current in an n-heptane medium, and the suspension was then left for 12 hrs at 60°C. Polymerization is carried out at 65°C, conversion reaching 65% in 7 hrs. The polymer contains 0.04% ash and 5% amorphous fraction, but the Cl can be measured in thousandths of 1%. 2) A similar polymer is also produced by using as a catalyst a mixture of crystals of TiCl<sub>3</sub> + AlCl<sub>3</sub> (25%) (see Czech. pat. no. 97063, RZhKhim, 1962, 15P124) dispersed by vacuum sublimation and condensation with heptane vapors. This suspension is held for 34 hrs at 40°C. [Abstracter's note:

Card 2/2

\$/081/62/000/022/068/088 B166/B144

AUTHORS:

Ambroz, Jaroslav, Hamřík, Oldřich

TITLE:

A method of producing polymers from unsaturated hydrocarbons

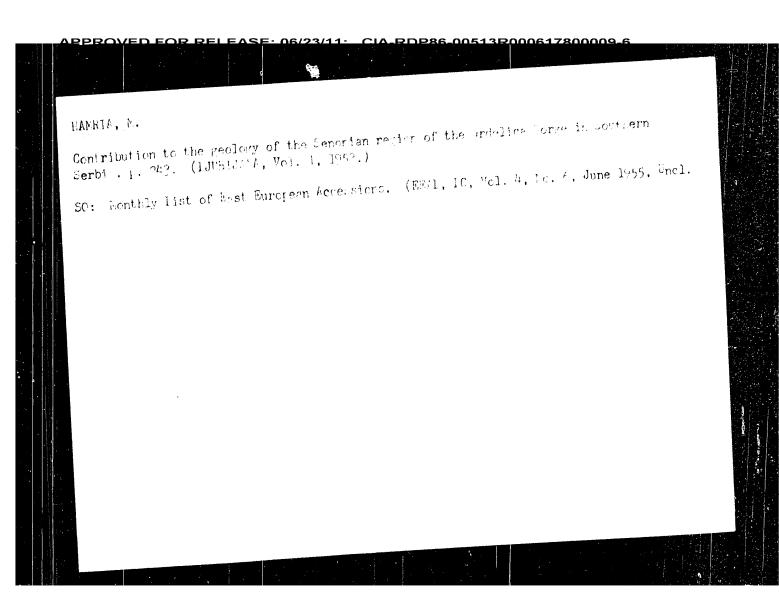
without needing to remove and detoxicate the catalysts

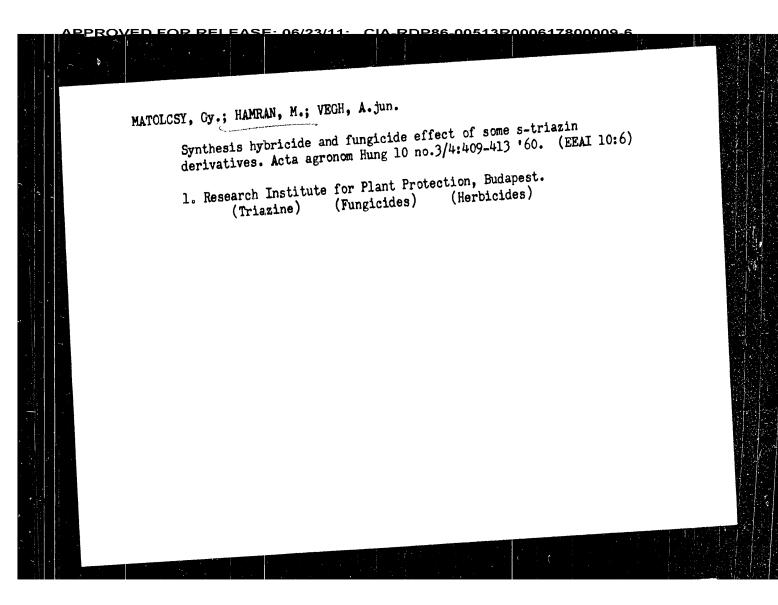
Referativnyy zhurnal. Khimiya, no. 22, 1962, 518, abstract PERIODICAL:

22P207 (Czechosl. patent 99911, June 15, 1961)

TEXT: For low-pressure a olefin polymerization highly efficient catalysts based on TiCl<sub>3</sub> and  $(C_2H_5)_3Al$  are used at a rate of (50 mg per liter liquid)phase. The method adopted saves the need to remove catalyst residues from the polymer. The catalyst is produced by dispersing a transition metal chloride in an oxygen-free medium until  $\ll 1\mu$  particles are formed, after which it is held for a long time. The optimum quantity of  $(C_2H_5)_3A1$ depends on the specific surface of the catalyst; the TiCl $_3$ :  $({^{\text{C}}_{2}\text{H}}_5)_3^{\text{Al}}$ ratio is usually 1: 6 - 1: 7. The permissible quantity of impurities in the reaction medium is: CO, COS and CS<sub>2</sub> < 0.005%; S in the form of H<sub>2</sub>S and mercaptans, oxygen and oxygen-containing compounds, nitrogenous Card 1/2

HAMRIK, J. Tasks and prospects in the development of telecommunication and telephone engineering. p. 551.
SLABOPROUDY OBZOR, Prague, Vol. 15, no. 12, Dec. 1954. SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6, June 1956, Uncl.





SITEAL, F.; WICE, A., JP.; MINICHOSY, GY. Nydrophil 2, h-diamino-6-chlorine-s-triazine derivatives as her isides; a preliminary communication. p. hlb. MACYAR E ETAT GOLYCIEAT. (Jagyan Kerskusek Egyesuete) Becapest, Bungary. Vol. 65, no. 10, Get. 1959. Monthly list of Fast European Accession (UMAI), 10, Vol. 9, no. 2, Reb. 1960 Uncl.

HANTANI, N., N. Videki "prevention of fruit dropping by hormone treatment." p. 177. (whole shehalf, Vol. 5, no. 6, June 1953. dudapente) SO: Monthly List of East European Accessions, Vol. 2, #8, Labrary of Congress August, 1953, Uncl. HAMMAN, J.; WEOU, A.; MITOTCOY, Gy.

Synthesis of a few new type s-triazine derivatives. D. 200.

MAGYAR MEMIAI POLYBRAT. (Magyar Kemikusok Egyesulete) Sudepost, Hungary, Tol. 65.

No. 7, July 1999.

Monthly Mat of Bast European Accessions (SEAI) LC, Vol. 9, No. 1, Jan. 1960.

UNCL

PPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513 0 Day uf Plane Diseases. General Problems. AES. JOUR. TREE ZIGHT STOLOGIYA, NO. 7, 1959, 4. 14.99 : Hemran, Jozsafne AUTHOR Tropis to Resibt the coincitive action of [ ORIG. FUB. : Agrartudomany, 1957, 9, No.4, 37-38 ARCTRACT : No abstract. 1/1 CARR:

H,  $NH_2(C!I_3)_2$ ,  $145-150^{\circ}$  (II); H,  $NH_3C_3H_7-180$ , 117-180, 117

Card 1/2

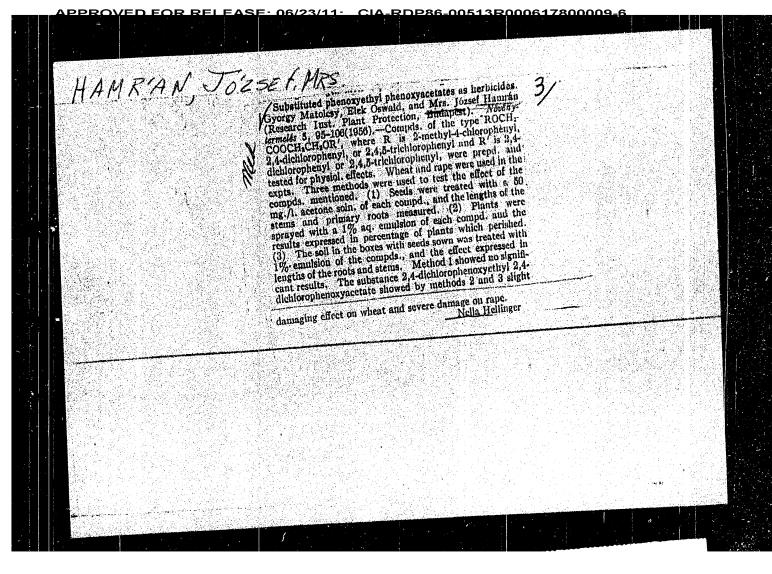
- 52 -

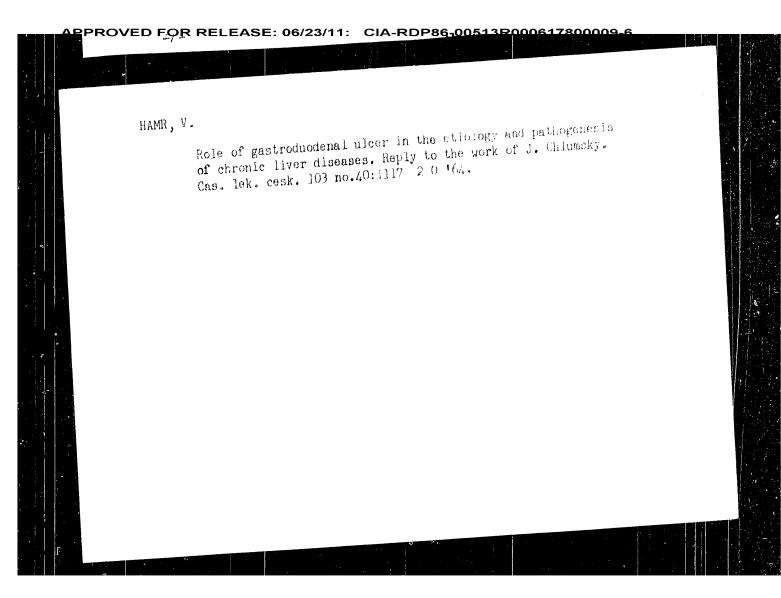
HUNGARY/Chemical Technology. Chemical Products and Their Application - Pesticides 1-7

Abs Jour : Referat Zhur - Khindya, No 4, 1957, 12445

NH<sub>2</sub>(CH<sub>3</sub>)<sub>2</sub>, 140-1450; CL, NH(CH<sub>2</sub>)<sub>3</sub>, 173-1750; CL, NH<sub>2</sub>(C<sub>2</sub>H<sub>5</sub>)<sub>2</sub>, 140-1430; CL, NHC<sub>3</sub>H<sub>7</sub>-150, 130-1450; CL, NH<sub>2</sub>C<sub>6</sub>H<sub>1</sub>L, 170-1750 (IV); [C<sub>5</sub>H<sub>2</sub>MHC(3)SNH<sub>2</sub>CH<sub>2</sub>-1<sub>2</sub>, MP 100-1050, MP 100-1050, MP 1000. Herbicidal action [P-ClC<sub>6</sub>H<sub>5</sub>NHC(S)SNH<sub>2</sub>CH<sub>2</sub>-1<sub>2</sub> MP 1000. Herbicidal action was studied on wheat and rape by treating seed with a sown studied on wheat and rape by treating seed with a sown studied on wheat and rape by treating seed with a sown as studied on wheat and rape by treating seed with a sown and by spraying of equally developed plants with a 1½ sown and by spraying index (S1) equal to, ½ of wheat killed: ½ of spraying index (S1) equal to, ½ of wheat killed: ½ of rape killed. Best results were obtained with I, II, III and IV. Their SI is, respectively, 0:95; 2:90: 0:90 and 15:90. SI of 2,4 - D is 30:100.

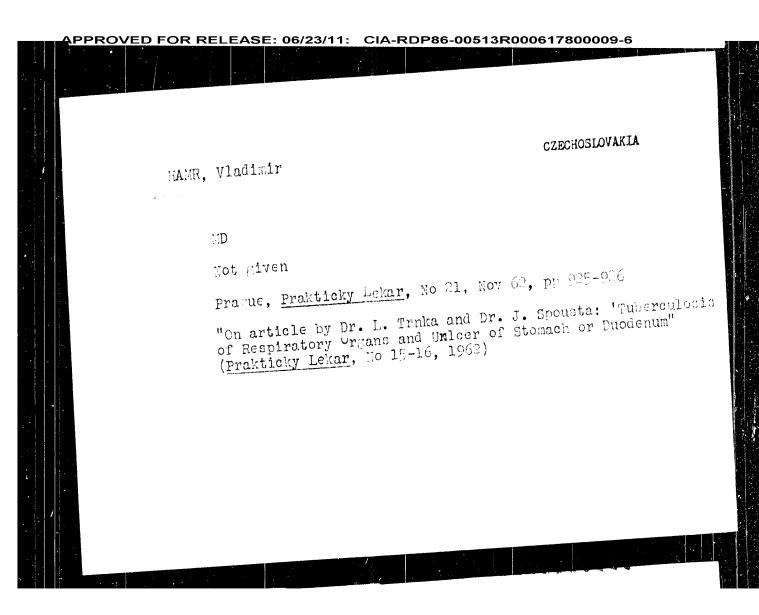
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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R<u>000617800009-</u>6 CZECHOSŁOVAKIA HArh, V. [arfiliation not given]. "Arterial Hypertension and Ischemic Cardiac Disease." Plague, Casopis Lekaru Ceskych, Vol CII, No 40, 4 Cotober 63, Abstract: Critical remarks on the article "Report of the Commission of Experts" published in this periodical, Vol CII, 10 20, 1963, p 110%. p 705. 1/1

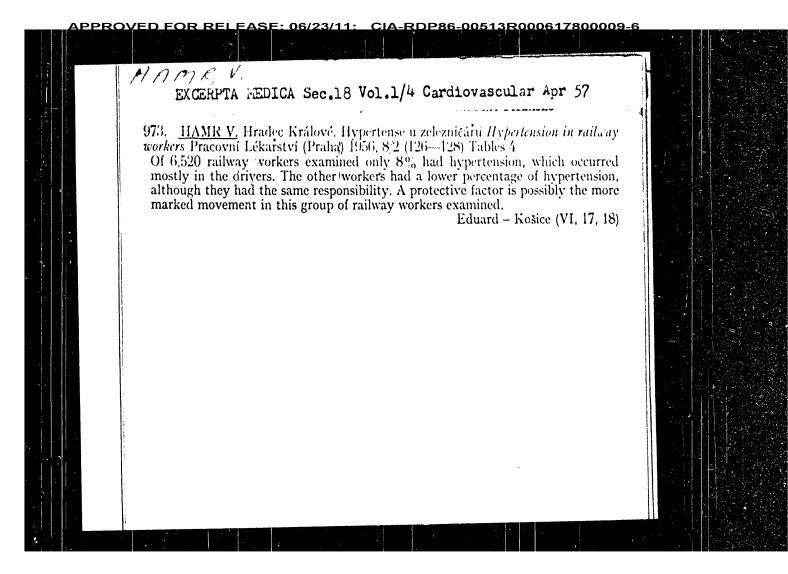
## PPROVED FOR RELEASE: 06/23/11: CIA-RD<u>P86-00513P000</u> Formound A HAIR, V., and Textorer, A. a transfor not given ]. "Discussion on the visite part in the parties of the properties of fragres the top to be be a feet that the state of the section of t Abstruct: decayan on as nationally 1. STBAR and M. POHORNY, in this periodical. Yet Ca. No 14. 1960, p 1319. Discussed are findings made decing extrinations of railroad workers. Emphasized is the fact that were is an interdependence between the two discussors 11/1

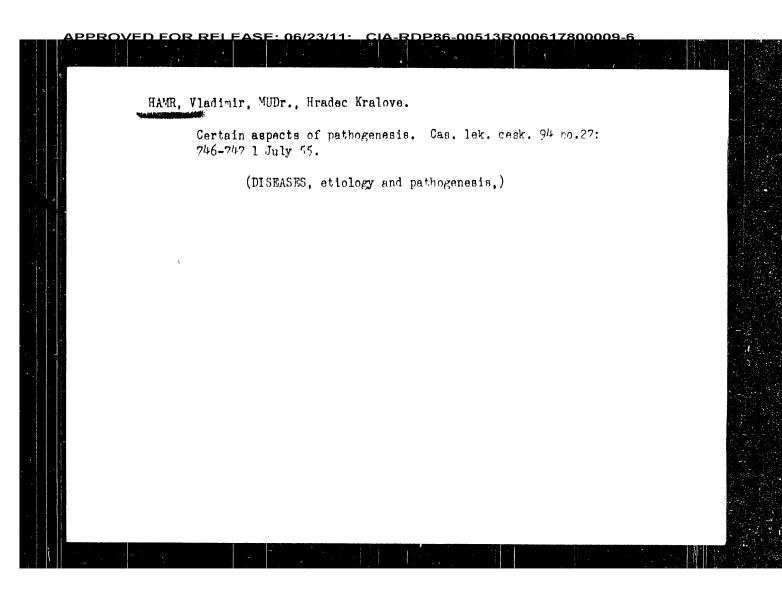


CIA-RDP86-00513R000617800009-6 HAMR, Vladimir, CZECHOSLOVAKIA MDHot given Prague, Prakticky Lekar, No 21, Nov 62, pp 924-925 "On Dr. V. Cirman's article 'Some Questions Concerning Health Care of Railroad Employees'" (Prakticky Lekar, No 15-16, 1962)

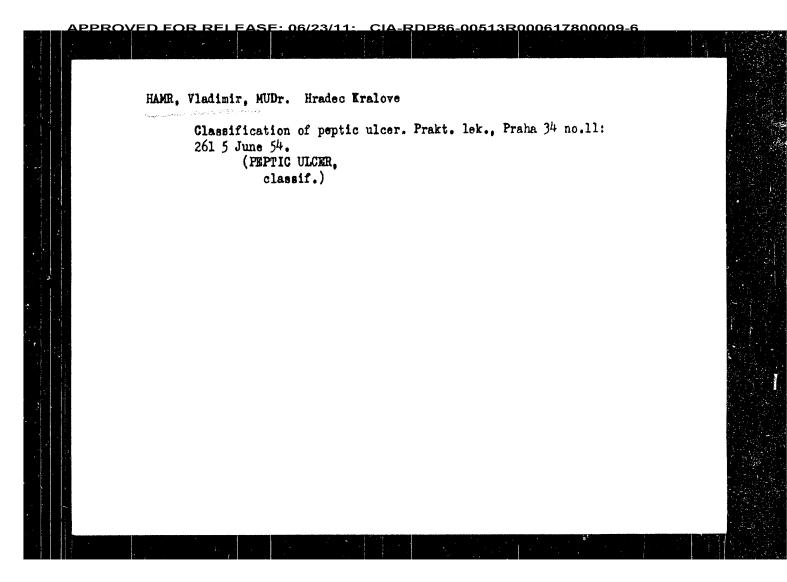
 $C_{ij} f_{ij} r_i$ HAMR, Vladimir, MUDr. Delays in expert testimony. Cesk. zdravot. 6 no.3:;39-141 Apr 58. 1. Nacelnik oddeleni zeleznicni zdravotni sluzby v Liberci. (DISABILITY EVALUATION, in Czech. (Cz))

HAMR, Vladimir, MUDr. Uncertainties in expert testimony. Cesk. zdravot. 5 no.9:521-522 Jept 57. 1. Nacelnik oddeleni zeleznicni zdravotni sluzby v Lierci. (EXPERT TESTIMONY, in occup. dis. (Cz)) (OCCUPATIONAL DISHASES, expert testimony (Cz))

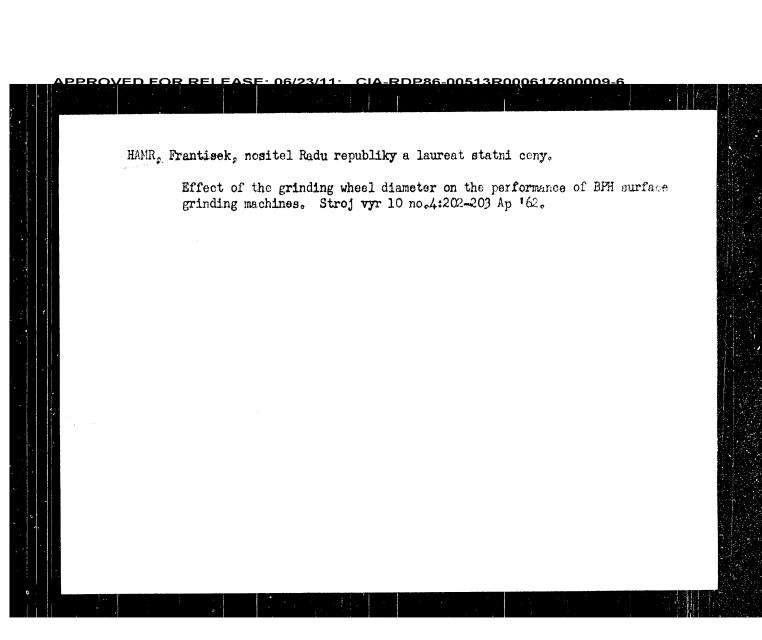




CIA-RDP86-00513R000617800009-6 HAMR, Vladimir MUDr; KRALOVE, Hradec Peptic ulcer in railway employees. Pracovni lek. 7 no.4: 234-235. Jy "55. (PEPTIC ULCER occup. in railway employees) (OCCUPATIONAL DISEASES peptic ulcer in railway employees)



<u> APPROVED FOR RELEASE: 06/23/11: \_CIA-RDP86-00513R000617800009-6</u> HAMR, V. managananan da karangan War ulcer. Lek. listy, Brno 7 no.21:514-515 1 Nov 1952. (CIML 23:4) 1. Of the Internal Clinic (Head--Prof. P. Luko, M.D.) in Hradec Kralove.



## PHASE I BOOK EXPLOITATION

CZECH/4527

Hamr, Frantisek, Bearer of the Order of the Republic, State Prize Winner

Brousení tvarů na rovinné brusce; nová technika v broušení přesných tvarů (Contour Grinding cnaHorizontal-Spindle Surface Grinder; New Techniques In Precision Contour Grinding) Prague, 1959. 146 p. 2,200 copies printed.

Resp. Ed.: Bohumil Dobrovolny.

PURPOSE: The book is intended for use in the trade and in trade schools.

COVERAGE: New methods used in precision contour grinding are described. For developing these methods the author was awarded highest honors and state prizes. The book describes theoretical and practical methods of replacing costly and inaccurate manual work in a tool-room with the use of grinders. The foreword was written by Antonin Vaclavović, chairman of the Commission for Tools at the Cs. VTS. No personalities are mentioned. There are 16 references, all Czech.

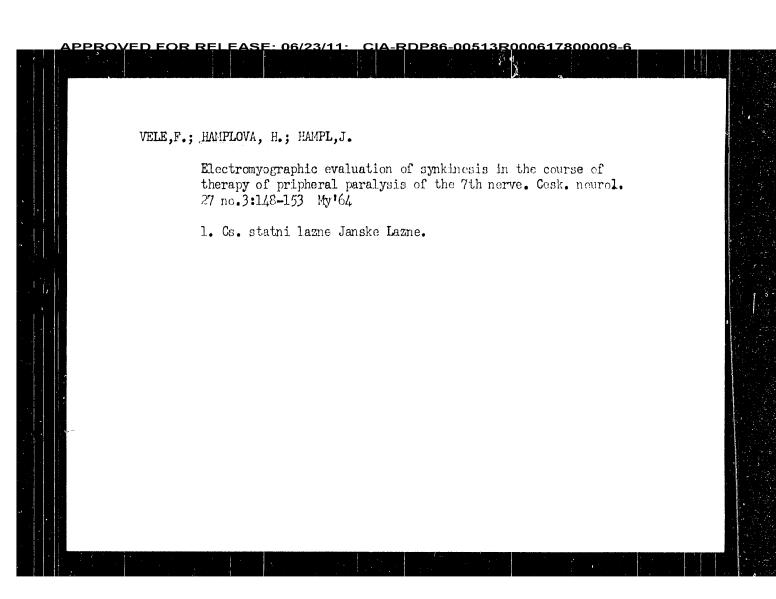
TABLE OF GONTENTS:

Card 1/3

HAMR, F. "Profile grinding." p.39 (Tezhka, Promishlenost, Vol. 7, no. 3, Mar. 1958, Sofiia, Bulgaria) Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 8, August 1958

RDP86-00513R000617800009-6 HAMPU, Dumitru; COSOBEA, Ion; ACATRIMEI, Nicolae The Vulcan concrete paste mills can produce more. Constr Buc 16 no. 743:2 4 April '64 1. Sef de tura la Fabrica de ciment-Medgidia (for Mampu). 2. Maistru la Fabrica de ciment Fieni (for Cosobea). 3. Maistru la Fabrica de ci ent-Bicaz (for Acatrinei).

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CZECHOSLOVAKIA

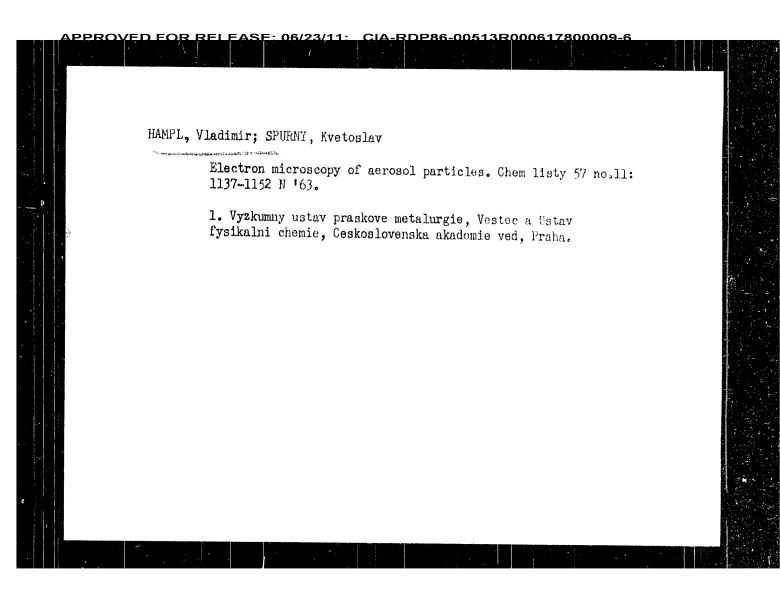
HAMPL, V; SPURNY, K

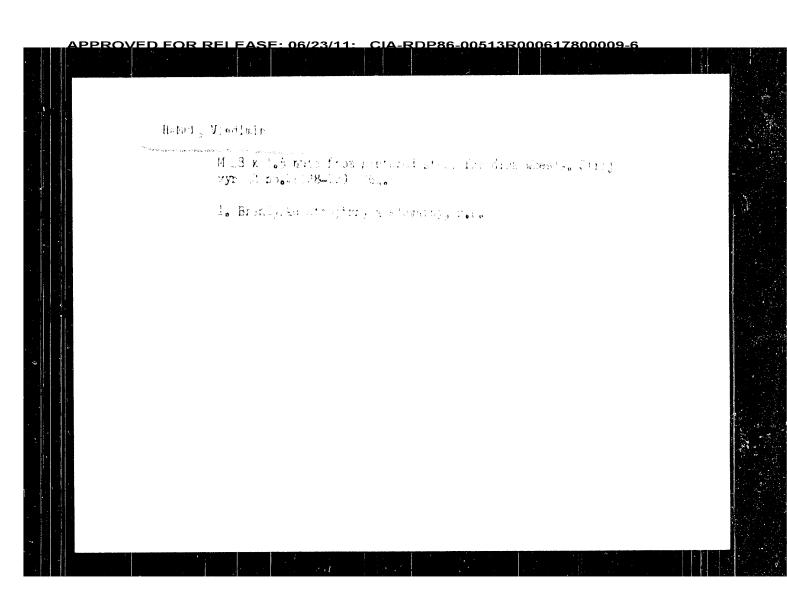
Institute of Physical Chemistry, Czechoslovak Academy of Sciences (for both)

Prague, Collection of Czechoslovak Chemical Communications, No 3, March 1966, pp 1152-1161

"Analytical methods for determination of aerosols by means of membrane ultrafilters. Part 8: Determination of the mean pore size by gas flow rate measurements."

SPURNY, K.; HAMPL, V. Preparation of radioactively labelled condensation aerosols, Pt.1. Coll Ox Chem 30 no.2:507-514 F 165. 1. Institute of Physical Chemistry of the Czechoslovak Academy of Sciences, Prague: Submitted February 5, 1964.





HAMPL, V. The dust hazard in sandstone and granite quarries. Prac. lek 15 no.10:431-435 D '63. 1. Krajska hygienicko-epidemoilogicka stanice v Hradci Kralove, codbor hygieny prace, vedouci MUDr. V. Rukl.

ACCESSION NR: AP4017928

Cr<sub>3</sub>C<sub>2</sub> system after prolonged annealing, the maximum stability of the Cr<sub>3</sub>C<sub>2</sub> grain boundaries was determined at a dihedral angle 85--90°. The ratio between the energy of this boundary and the inter-phase energy in the presence of a liquid phase corresponds to the formula for surface stress sigma<sub>SS</sub> = 1.41 sigma<sub>SL</sub>. By measuring the groove angles at the phase boundaries after vacuum annealing, the authors found the inter-phase energy at 1,100C in the TiC--Ni/Al system to be about 1,180 erg/cm<sup>2</sup>. Original has 6 graphs, 6 diagrams, and 6 numbered equations.

ASSOCIATION: Vyzkumny ustav pro praskovou metalurgii, Vestec near Prague (Research Establishment for Powder Metallurgy)

SUBMITTED: 08May63

DATE ACQ: 12Mar64

ENCL: 00

SUB CODE: MT.

NO REF SOV: 002

OTHER: 027

Card 2/2

ACCESSION NR: AP4017928

2/0065/64/000/001/0043/0057

AUTHOR: Cech, Bohuslav (Chekh, Boguslav); Hampl, Vladimir (Gampl, Vladimir)

TITLE: Contribution to the study of structural-stability conditions in heterogeneous alloys

SOURCE: Kovove materialy, no. 1, 1964, 43-57

TOPIC TAGS: structural stability, heterogeneous alloy, metallographic method, dispersed system, liquid phase, grain boundary, surface energy, dihedral angle, surface stress, groove angle

ABSTRACT: The paper discusses a dispersed system in the presence of the liquid phase, the external form of certain particles and the properties of the system, changes in dispersion with the growth of certain particles and the stability of grain boundaries depending upon the mutual orientation of the grains. It describes the metallographic methods for determining the energy of grain boundaries and inter-phase surface, deduces the stability of the heterogeneous structure therefrom and determines the surface-energy values from the structure of the two alloys by the method proposed. By studying the dihedral angles in the structure of the

Z/034/60/000/04/010/028 E073/E535

Spectral Determination of Tantalum in Sintered Carbides

It is pointed out that in the case of spectrographic analysis the sparked spot is small relative to the entire specimen and, therefore, variations may occur due to imperfect homogeneity of the tested specimens. If the tantalum carbide concentration is below 1%, the intensity of blackening of the analytical tantalum line is so weak that the influence of the background intensity manifests itself. The resulting calibration curve (Fig 8), which is based on the evaluation of the tantalum line 2685.1 Å, permits direct reading off of the percentual content of tantalum carbide. There are 8 figures and 8 references, 1 of which is Czech, 2 Soviet, 2 German and 3 English.

ASSOCIATION: Výzkumný ústav pro práškovou metalurgii, Vestec u Praty (Power Metallurgy Research Institute, Vestec Nr. Prague)

Card 2/2

Z/034/60/000/04/010/028 E073/E535

AUTHORS: Hampl, Vladimir, Doctor and Dufek, Vladimir, Engineer

TITLE: Spectral Determination of Tantalum in Sintered Carbides

PERIODICAL: Hutnické listy, 1960, Nr 4, pp 300-301

ABSTRACT: The experiments of the authors can be sub-divided into two parts, namely, determination of the tantalum content by means of an a.c. arc and determination by means of a condensed spark. The operating conditions in both cases are described. It was found that the results of the spectral determination differ for the two methods. In the case of determination by means of an arc, the characteristic of the current intensity depends on the shape of the specimen which manifests itself also by a considerable scattering in the values. The condensed spark showed a more regular characteristic of the current intensity and the results are more reproducible and nearer to reality in spite of the fact that the specimen shape also exerts an influence. For some of the specimens a parallel chemical analysis was carried out; in spite of analysing a greater number of specimens, the results

obtained differed from those which had been anticipated.

Z/006/60/000/002/001/001 D006/D102 Automobile nuts of sintered metals. A nut was tightened over a washer on a pin on a test-to-failure basis to determine the ultimate torque [Abstracter's note: No results of tests are given]. Card 2/2

Z/006/60/000/002/001/001 D006/D102

AUTHOR:

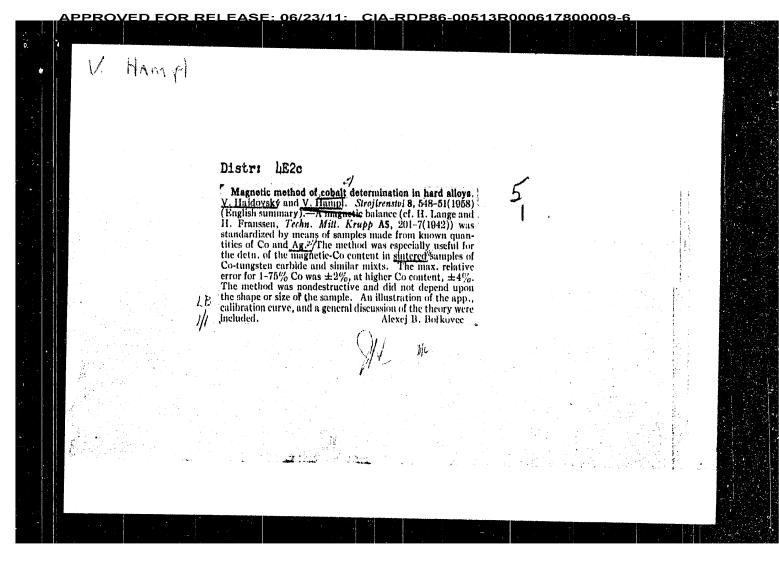
Hampl, Vladimír

TITLE:

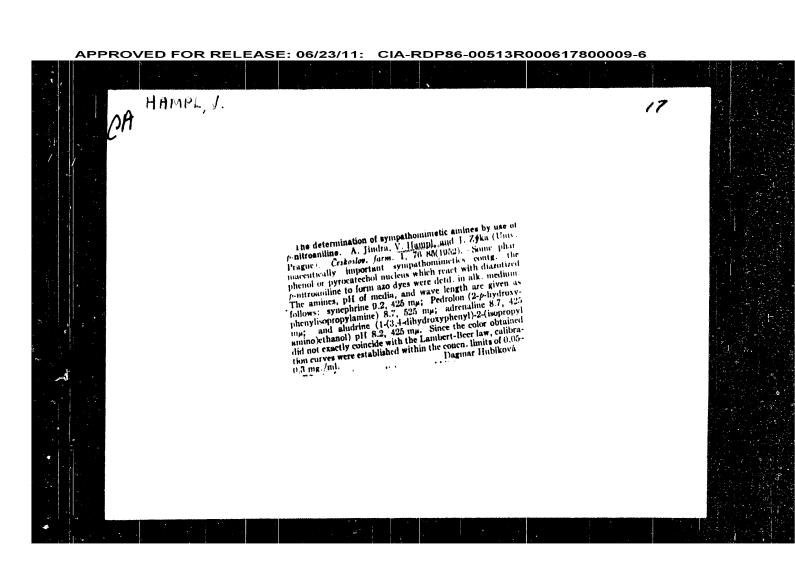
Automobile nuts of sintered metals

PERIODICAL: Technické noviny, no. 2, 1960, 5

TEXT: Production of steel-base, sintered-metal automobile nuts, Type M 18 x 1.5 ČSN 303751, was introduced at the Brandýské strojírny a slévárny (Brandýs Machine-building Plant and Foundries) to eliminate a production bottleneck which existed while these nuts were cold-pressed. To disprove the opinion that the structure of the sintered metal becomes disrupted when the nut is subjected to stress, a testing program was devised by the Výzkumý ústav materiálu a technologie (Research Institute of Material and Technology) in Prague, simulating the stresses to which the nuts would be exposed under operating conditions. The dynamic fatigue tests were made on a Schenk 20 t pulsator fatigue-testing machine with a maximum pulsating force of + 20 tons at 2,200 rpm, and at temperatures of + 18 to + 21°C. Torsion tests were made on a Mohr and Federhoff testing machine at +21°C.



HAMPLS, V.; VETEJSKA, K. Determination of lithium in lithium micas using a flame photometer. p. 487. (Hutnicke Listy, Vol. 11, no. 8, August 1956. Brno, Czechoslovakia) SO: Monthly List of East European Accessions. (EEAL) LC. Vol. 6, No. 6, June 1957. Uncl.



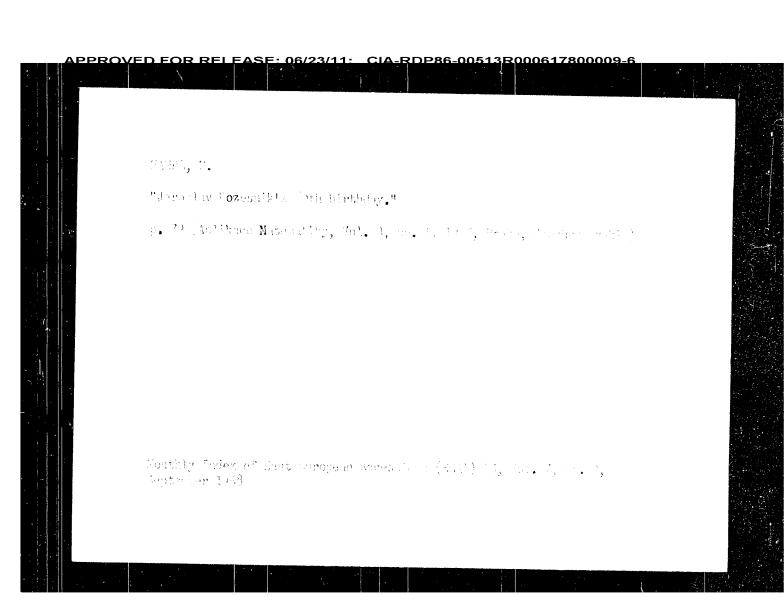
HAMPL, V. How to improve the management of mountain collective farms. P. 7, (Rolnicke Hlasy) Vol. 30, no. 4, Aug. 1957, Praha, Czechoslovakia SO: Monthly Index of East European Acessions (EEAI) Vol. 6, No. 11 November 1957

PEASE I BOOK EXPLOITATION

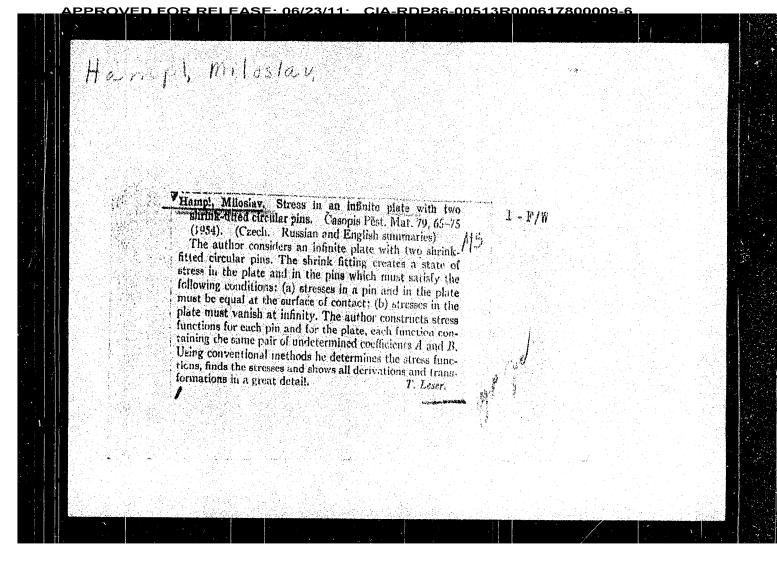
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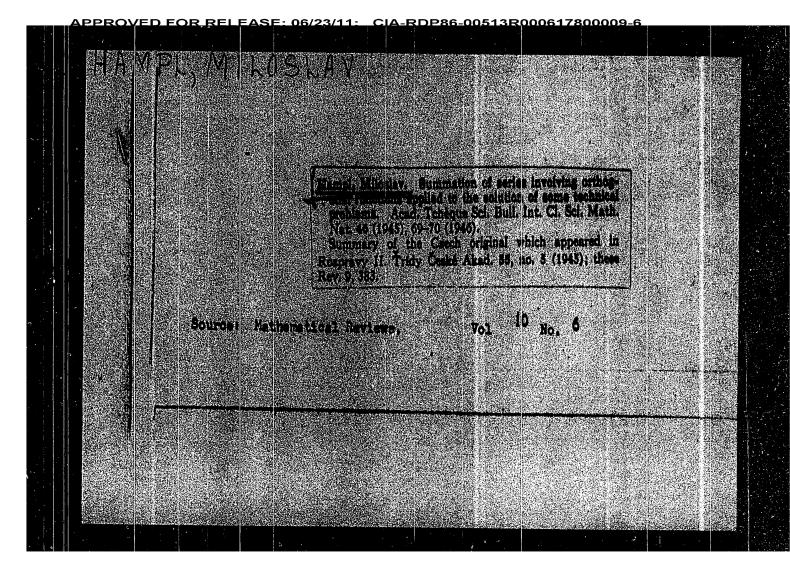
HAMPL, M. "Jaroslav Kozesnik's Dynamika stroju (Dynamics of Machines); a book review." ELEKTROTECHNICKY OBZOR, Praha, Czechoslovakia, Vol. 148, No. 5, May 1959 Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, No. 8, August 1959 Unclassified

HAMPL, M. Solution of biquadratic equation. p. 463 APLIKACE MATEMATIKY (Ceskoslovenska akademie ved. Matematicky ustav) Prana, Czechoslovakia Vol 4, no. 5, 1959 Monthly list of East European Accessions (EEAI) LC. Vol. 9, no. 1 January 1960 Uncl.

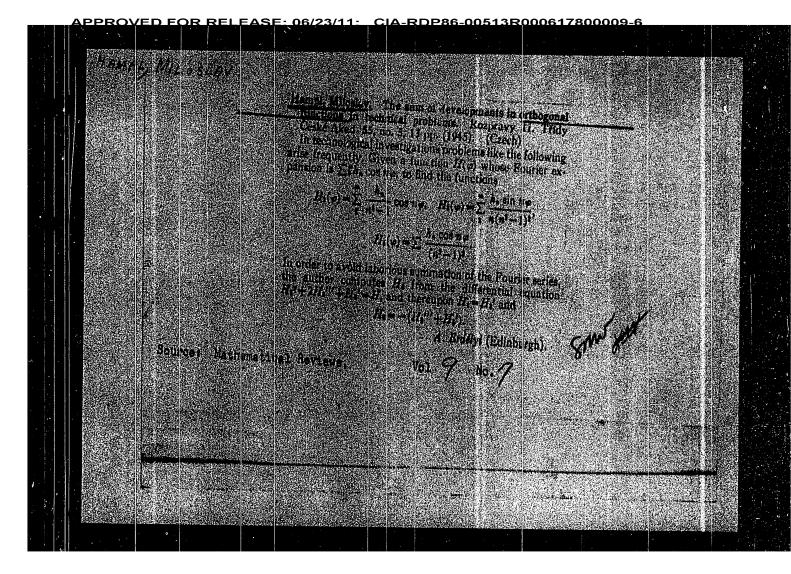


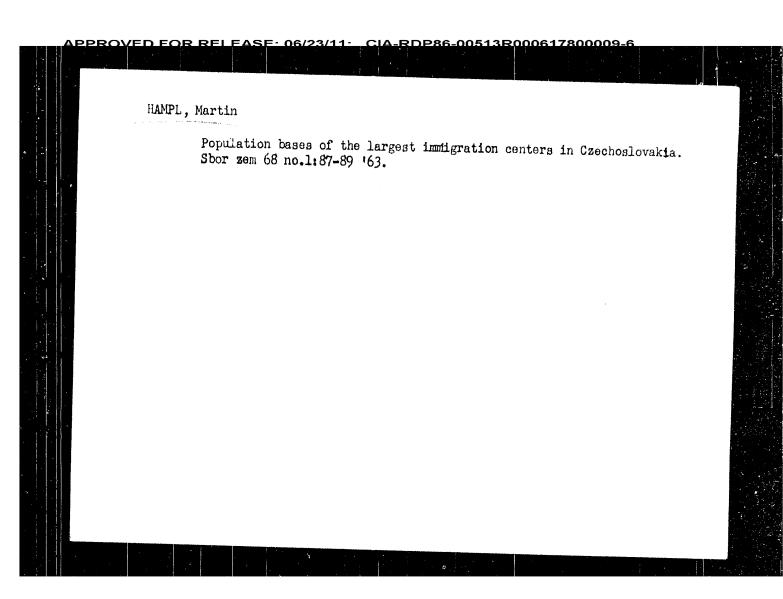
HAMPL, M. "Stresses and deformation in membrane compensators." p. 723. STROJIRENSTVI. (MINISTERSTVO TEZKEHO STROJIRENSTVI, MINISTERSTVO PRESNEHO STROJIRENSTVI A MINISTERSTVO AUTOMOHILOVEHO PRUMYSLU A ZEMEDELSKYCH STROJU.)
Praha, Czechoslovakia, Vol. 5, no. 10, Oct. 1955. Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959.





HAMPL, N. "Froducts of Special Infinite Series" . p. 697. (ELLFTRCTICHTICKY CHECK, Vol. 42, ac. 12, December 1953, Fraha, Czechcslovskia). SO: Monthly List of East European Accessions, IC, Vol. 3, to. 5, May 1954, Inclassified





MACIK, Ivo, Technicka spoluprace: M. Hampl, J. Lubena, J. Svab Prevention of untoward reactions following the administration of antitetanus serum. Rozhl. chir. 39 no.1:34-38 Ja '60 1. Vyzkumny ustav traumatologicky v Brne, reditel prof. MUDr. Vl. Novak. (ALLERGY exper) (TETANUS immunol) (IMMUNE SERUMS, eff. inj)

L 44805-66

ACC NR: AP6006152 (A)

SOURCE CODE: CZ/0078/65/000/010/0011/0011

INVENTOR: Soucek, Jiri (Engineer; Benesov u Prahy); Hampl, K. (Vlasim); Smaus, F. (Benesov u Prahy); Skvor, J. (Engineer; Uvaly); Bezouska, V. (Pruhonice); Hrdlicka, J. (Prague); Pokorny, O, (Prague); Zavazal, Z. (Prague); Smetana, J. (Prague)

ORG: none

B

TITLE: [Thermal expansion compensator for semiconductor system] CZ Pat. No. PV 1827-64

SOURCE: Vynalezy, no. 10, 1965, 11

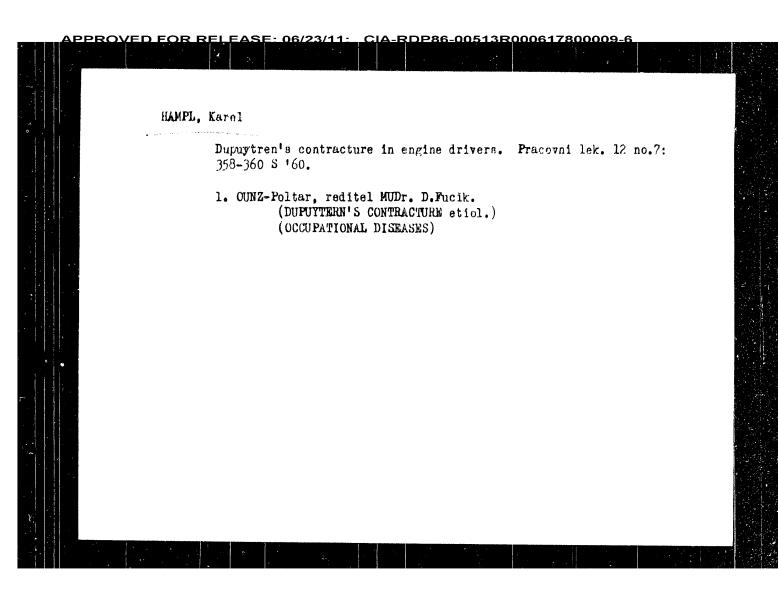
TOPIC TAGS: electrode, semiconductor device, thermal expansion

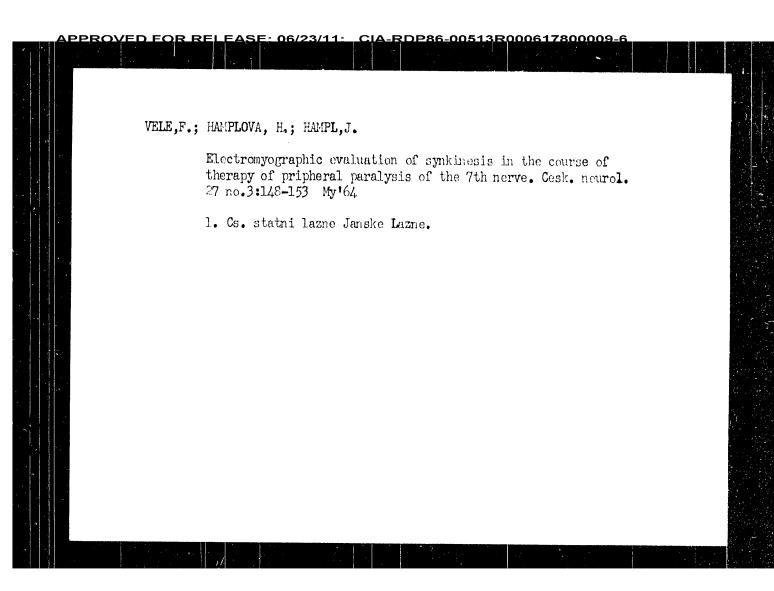
ABSTRACT: The electrode of the housing of a semiconductor system which is vacuum (hermetically) tight secured by means of the electrical insulating part to the base housing forming the other electrode which has positioned inside it a channel or duct sealed from the outside to which is introduced inside the housing a positioned expansion member constituting an electrical connection between the electrode and the semiconductor system feature in the device described here. The electrodes protrude from the housing in such a way that to the expansion member fixed to it can be secured deformation electrodes from the outside and that a conductor can be attached to them

Card 1/2

Caru

HAMPL, Karel CZECHOSLOVAKIA MD Not given Prakticky Lekar (Prague), No. 18, 1962, p 806 "Contribution to article by Z. Modr, MD: "Comments on Changes in the Qualitative Plan for the Manufacture of Czechoslovak Pharmaceutical Products in 1962-1963" (Prakticky Lekar, No. 12, 1962)





L 39137-66 ACC NR: AP6030367

SOURCE CODE: CZ/0014/66/000/003/0107/0107

AUTHOR: Hampl, J.

ORG: none

TITLE: New optical curve-follower

SOURCE: Sdelovaci technika, no. 3, 1966, 107

TOPIC TAGS: photodiode, electronic circuit, optic instrument

ABSTRACT: The article presents the circuit of a new optical curve-follower using silicon photodiodes. The proposed arrangement not only avoids the disadvantages of systems previously used but also offers further advantages and is convenient and simple to operate, and the working capacity of the recording apparatus is substantially increased. Orig. art. has: 2 figures. [JPRS: 36,644]

SUB CODE: 09 / SUBM DATE: none